

## Bronsted-Lowry Acid Base Concept

Nov 1-2:13 PM

## Bronsted-Denmark Lowry-England

- Bronsted and Lowry focused on the role of the acid and bases as opposed to the properties of their solutions.
- Acid → A Bronsted-Lowry acid is a PROTON DONOR
- Base → A Bronsted-Lowry base is a PROTON ACCEPTOR

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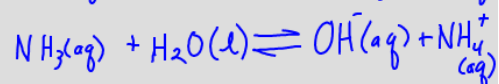
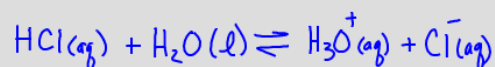
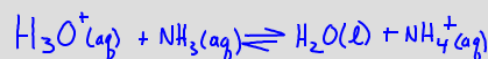
## Advantages of B-L Theory...

- → Water does not have to be present or be a major reactant.
- → ANEUTRALIZATION reaction is a competition for protons that results in a transfer from the STRONGEST acid present to the STRONGEST base.

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A substance can only be classified as a Bronsted-Lowry acid or base for a specific reaction:

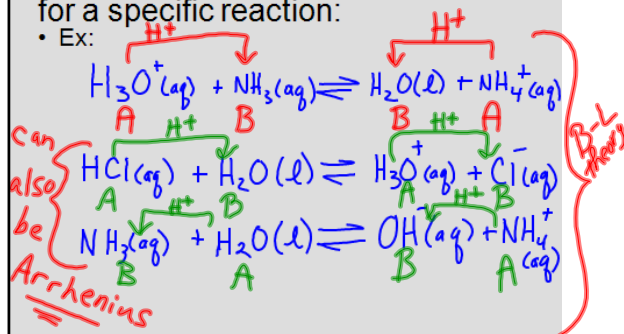
• Ex:



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• Ex:



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